

## Flow Cytometry fluorescence test for NarX-Tar+GFP colonies

A flow cytometry test was conducted in order to verify the expression of the NarX-Tar chimera. The NarX-Tar gene was fused to GFP gene to obtain an indication through green fluorescence.

### Results

The fluorescence test resulted in negative indication for all colonies, as shown in figure 1 and figure 2. A comparison between all colonies (light green) and both positive (dark green) and negative (black) controls is presented in figure 1. It is indicated that all colonies are plotted in the negative area. Note that the negative control showed a little pick at the positive area, this probably due to a very high concentration of bacteria. As a result of this indication the samples were diluted in the ratio of 1:4 in order to avoid false positive results.

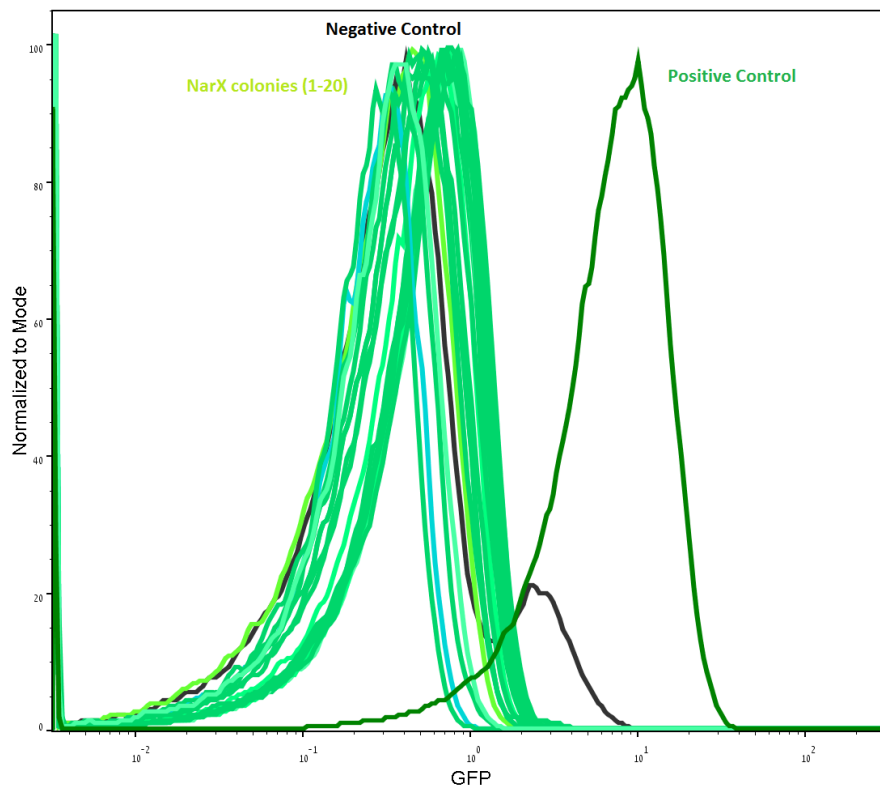


Fig.1: A comparison between NarX colonies (light green), positive control (dark green) and negative (black) control.

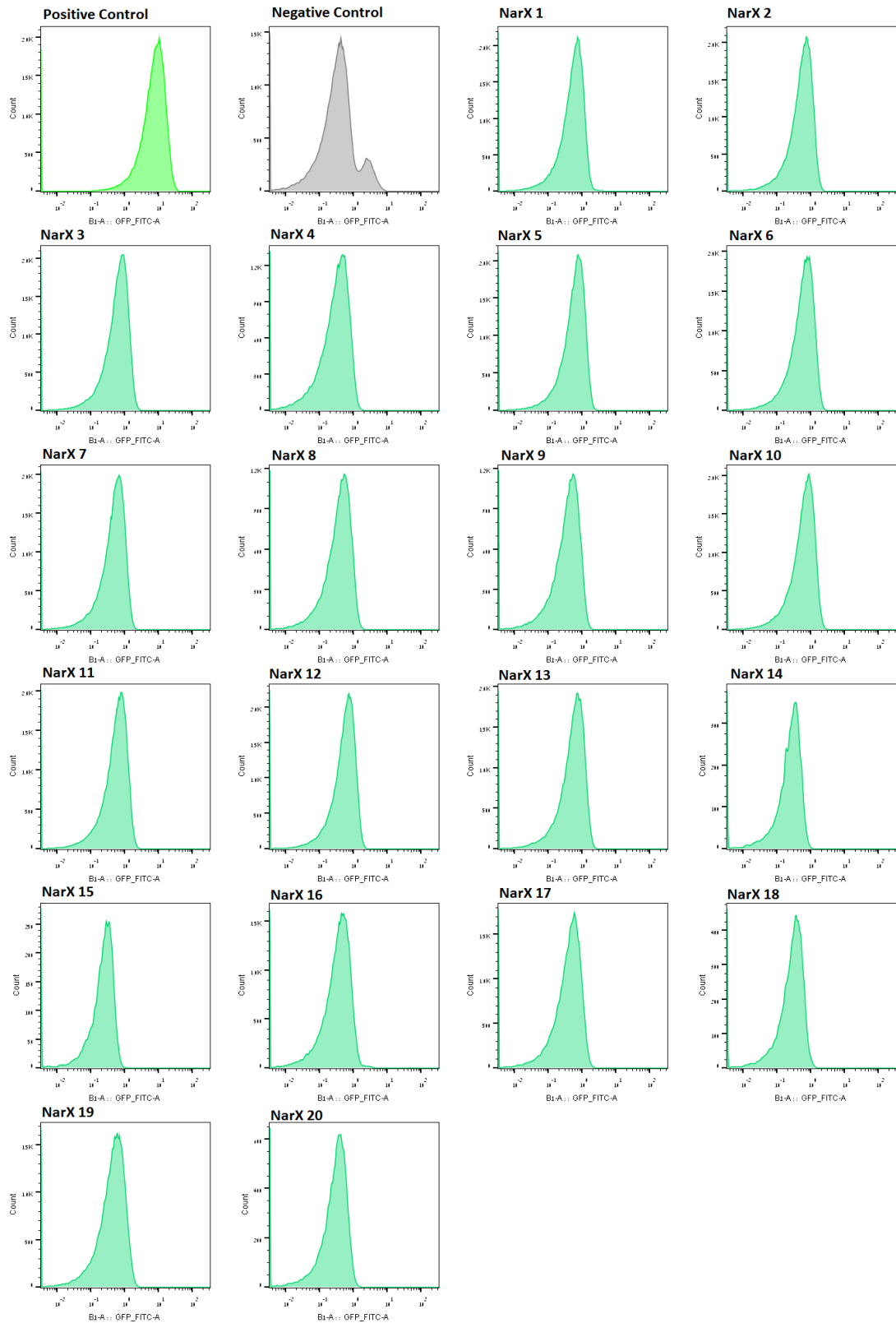


Fig. 2: Flow cytometry results.

## Conclusion

The Fusion of NarX-Tar+GFP was not expressed properly.